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PL

Sy

```
.title pli$stringio - pl1 runtime get and put string
.ident /1-003/ ; Edit CGN1003
; Edit WHM1002
```

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facility:

VAX/VMS PL1 runtime library.

abstract:

This module contains the pl1 runtime routine for initializing the runtime system to perform a get or put string.

author: c. spitz 4-oct-79

modified:

1-002 Bill Matthews 29-September-1982

Invoke macros \$defdat and rtshare instead of \$defopr and share.

1-003 Chip Nylander 08-August-1983

Initialize the parent pointer with FP when stream block allocated.

external definitions

PS ---

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0005 124 :--0005 125 pli\$putstrng_r6:: 54 D4 0005 126 clrl re 0007 127 stringcom:

side effects:

r0-r6 are destroyed

0005

0005

:set put indicator

PLISSTRINGIO 1-003

- pl1 runtime get and put string

0087

16-SEP-1984 02:27:33 6-SEP-1984 11:40:16 VAX/VMS Macro V04-00 [PLIRTL.SRC]PLISTRING.MAR; 1

0007 000A 000D 000D SED0 popl ;save return address #fcb_c_strlen,sp 5E get room for string file control block initialize file control block 000D 0010 0013 001B 001B 001B 001F 0023 0026 DO 700 :set file control block addr :clr link fields movl mova 00820802 OC AC init file attributes movl input, fcb_l_attr(ap) ; set input in fcb
incomparison
Input, fcb_l_attr(ap) ; set input in fcb
incomparison
Input in fcb
incomparison D138C31C8A138BDDC7D tstl 09 06 80 18 05 begl bist movzwl brb cont #atr_v_output,fcb_l_attr(ap) ;set output in fcb
#atr_m_vcha,fcb_l_attr(ap) ;assume not char var dest
#dat_k_char,r3 ;char dest? 105: bist 8F OA 01000000 0020 OC AC bicl 0034 53 cmpl 0037 50\$ beql ; if eql, yes, cont 0039 0041 0043 0047 0048 01000000 8F 80 50 50 50 03 #atr_m_vcha,fcb_l_attr(ap) ;set vcha dest
(r0) + ;point past length OC AC bist point past length of vcha; set buffer address tstw r0,fcb_l_buf(ap) ;set buffer address
r0,fcb_l_buf pt(ap) ;set buffer pointer
r2,r0,fcb_l_buf_end(ap) ;set buffer end
#0,fcb_q_rfa(ap) ;set rfa to 0
#pli\$c_version,fcb_w_revision(ap) ;set revision
<fcb_w_linesize+2> eq fcb_w_pagesize
<fcb_w_column+2> eq fcb_w_line
#0,fcb_w_linesize(ap) ;clr linesize, pagesize, col and line
r2,fcb_w_linesize(ap) ;set linesize to length of string
fcb_w_page(ap) ;clr page 50\$: movl 1C AC movl 18 AC addl3 20 0050 AC movq BO 0054 AC MOVW assume assume 00 52 32 AC SA AC mova B0 B4 MOVW 0060 clrw fcb_w_page(ap) :clr page 0063 allocate stream block 0063 0063 006A 006D 00000C08 8F 00 9E #str_c_len,sp sp,r11 subl ;alloc space for stream block sp,r11 ;set address of stream block str_l_stack_end(r11),str_l_fld_end(r11) ;set end of field mov! 164 0408 CB movab 0073 ; initialize format stack 0073 166 167 168 0073 D0 D0 5D 51 51 08 movl AB CB OCO4 169 04 0077 movl 0004 007B movl 171 172 173 174 175 176 177 CB 9E 0080 movab 0085 0085 return to inline code 0085 17 0085 (r6) 66 imp :return 0087

.end

224 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=TRACEBACK/LIS=LIS\$:PLISTRING/OBJ=OBJ\$:PLISTRING MSRC\$:PLISTRING/UPDATE=(ENH\$:PLISTRING)+LIB\$:PLIRTM

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